

[19]中华人民共和国国家知识产权局

[51]Int. Cl⁶

A45F 3/20

[12] 实用新型专利说明书

[21] ZL 专利号 97248146.X

[45]授权公告日 1999年6月2日

[11]授权公告号 CN 2321280Y

[22]申请日 97.11.7 [24]颁证日 99.3.18

[73]专利权人 冯庆和

地址 050800 河北省正定县冯家庄乡冯家庄村

[72]设计人 冯庆和

[21]申请号 97248146.X

[74]专利代理机构 河北省专利事务所

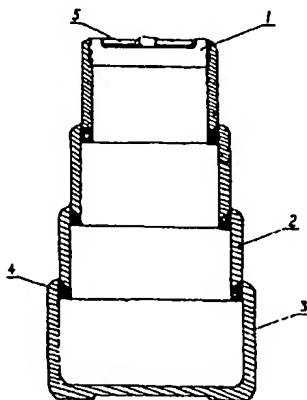
代理人 董金国

权利要求书 1 页 说明书 1 页 附图页数 3 页

[54]实用新型名称 抽拉便携式水杯

[57]摘要

本实用新型涉及一种抽拉便携式水杯,其杯体由底杯体和设在底杯体上的和底杯体套装在一起的可抽拉的杯环体构成,并且在杯环体上套装有可抽拉的小杯环体,将多个套装在一起的杯环体和底杯体压缩,整个杯体的体积缩小,这样携带和存放都较方便,将杯体拉开,即可作饮水杯使用。



ISSN 1008-4274

权 利 要 求 书

1、一种抽拉便携式水杯,其特征在于杯体由底杯体 (3) 和设在底杯体 (3) 上的和底杯体 (3) 套装在一起可抽拉的杯环体 (2) 构成。

2、根据权利要求 1 所述的一种抽拉便携式水杯,其特征在于杯环体 (2) 上套装有可抽拉的小杯环体。

3、根据权利要求 1 所述的一种抽拉便携式水杯, 其特征在于在底杯体 (3) 和杯环体 (2) 之间设有密封胶圈 (4) 。

4、根据权利要求 2 所述的一种抽拉便携式水杯,其特征在于在套装的杯环体 (2) 和小杯环体之间设有密封胶圈 (4) 。

5、根据权利要求 1 或 2 所述的一种抽拉便携式水杯, 其特征在于杯盖 (1) 和上端的杯环体 (2) 采用螺纹连接,杯盖 (1) 上设有拉环 (5) 。

6、根据权利要求 3 所述的一种抽拉便携式水杯,其特征在于杯盖 (1) 和上端的杯环体 (2) 采用螺纹连接,杯盖 (1) 上设有拉环 (5) 。

7、根据权利要求 4 所述的一种抽拉便携式水杯,其特征在于杯盖 (1) 和上端的杯环体 (2) 采用螺纹连接,杯盖 (1) 上设有拉环 (5) 。

本实用新型涉及一种可抽拉伸缩便携式水杯。人们无论是外出旅游，还是出差办事，都要随身携带水杯。由于水杯杯体较大，携带和存放都不方便。

本实用新型的目的在于提供一种外出时携带和存放都较为方便的水杯。本实用新型的目的是这样实现的：本实用新型杯体由底杯体和设在底杯体上的和底杯体套装在一起可抽拉的杯环体构成。

本实用新型的杯环体上套装有可抽拉的小杯环体。

本实用新型在底杯体和杯环体之间设有密封胶圈，在套装在一起的杯环体和小杯环体之间设有密封胶圈。

本实用新型由底杯体和套装在一起的杯环体构成，将多个套装在一起的杯环体和底杯体压缩，整体杯体体积只有原杯体的 1 / 2、1 / 3 或 1 / 4，大大缩小，这样携带和存放很方便，将杯环体拉开，即可作饮水杯使用。

附图 1 为本实用新型结构示意图。

附图 2 为本实用新型俯视图。

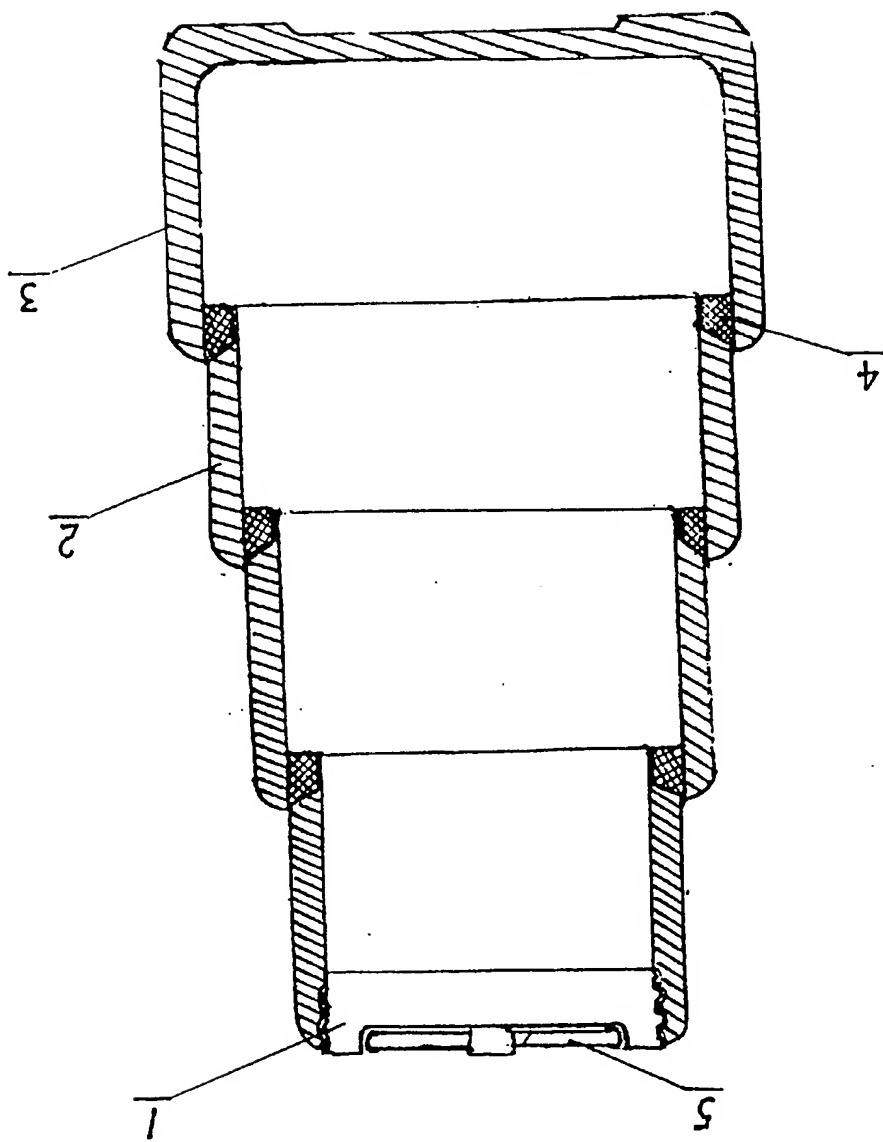
附图 3 为本实用新型压缩后剖视图。

附图 4 为本实用新型为真空保温杯剖视图。

下面结合附图将本实用新型作详细介绍：如附图 1、2 所示，本实用新型杯体由底杯体 3 和杯环体 2 构成，杯环体 2 由一个或一个以上套装在一起的杯环体 2 构成。附图 1 所示为 3 个杯环体 2 套装在一起，小杯环体套装在大杯环体内，在大小两个套装的杯环体 2 上设有密封胶圈 4，底杯体 3 和杯环体 2 上设有密封胶圈 4。如附图 3 所示，本实用新型压缩后，杯体体积只有原杯体的 1 / 4。如附图 4 所示，本实用新型为双壁真空保温杯示意图。本实用新型杯体可采用金属材料或非金属材料制成。

本实用新型杯盖 1 和上端的杯环体 2 采用螺纹连接，杯盖 1 上设有拉环 5，便于将杯体拉伸。

图1



说明书附图



2

Fig. 1

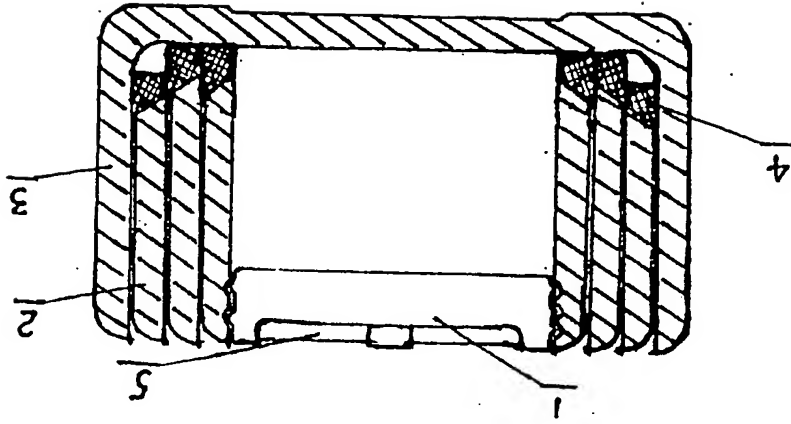
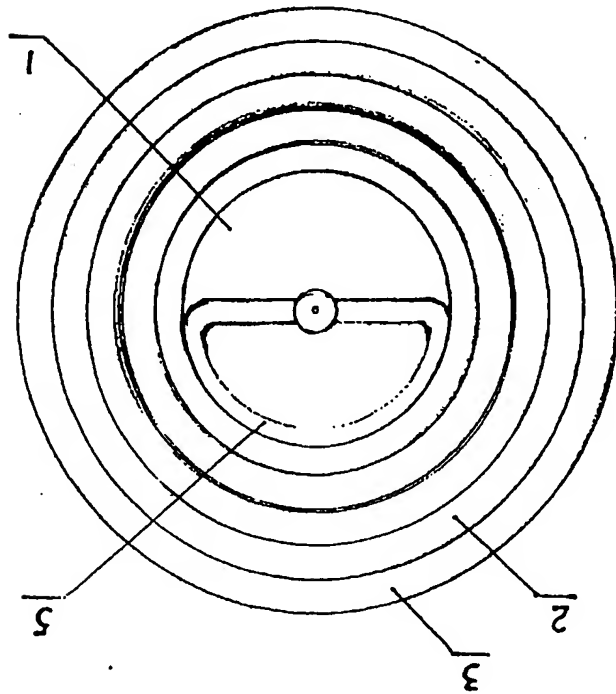
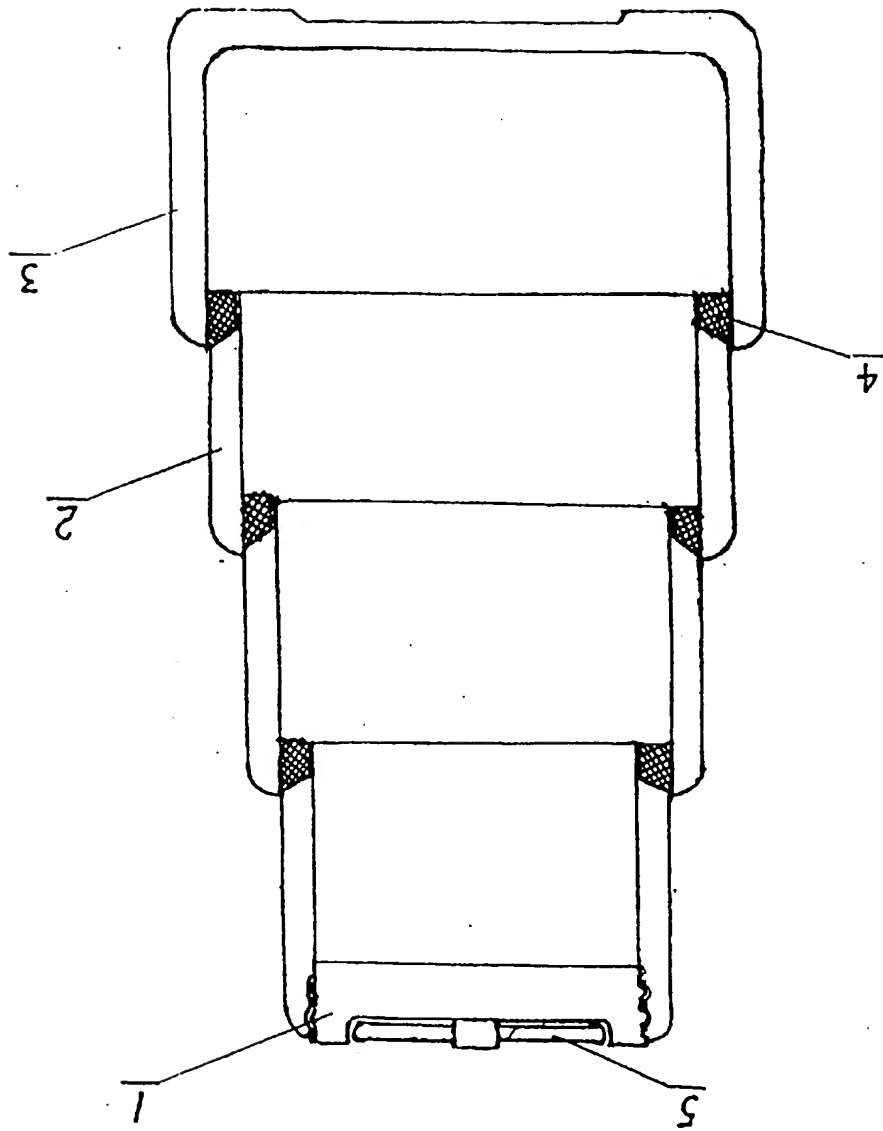


Fig. 2



10-11-12

图1



[12] Utility Model Patent Description

[21] ZL Patent No.: 97248146.X

[45] Publication Date: June 2, 1999

[11] Publication No.: CN 2321280Y

[22] Application Date: November 7, 1997

[24] Issuance Date: March 18, 1999

[73] Patent Rights Holder: FENG Junhe

Address: Feng Village, Zhengding County, Hebei Province, 050800

[72] Inventors: FENG Junhe

[21] Application no.: 97248146.X

[74] Patent Agency: Hebei Province Patent Affairs Office

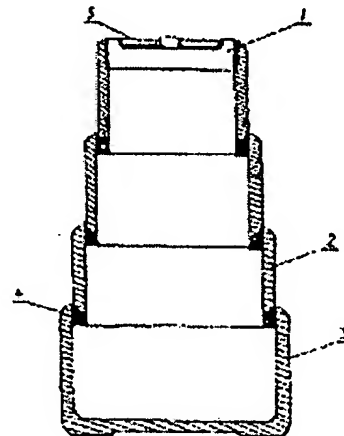
Agent DONG Jinguo

1 Page of Claims, 1 page of Description
and 3 pages of Figures

[54] Title of the Invention: A portable pull-out cup

[57] Abstract:

This utility model relates to a portable pull-out cup, wherein the cup structure comprises a base and a pull-out cup body structure that is assembled together on top of the base. A smaller pull-out cup is assembled on top of the pull-out body structure. The multiple pull-out bodies and the base are collapsed together, thereby reducing the size of the cup, and making it more convenient for carrying and storage. When the cup structure is pulled open, it can be used as a cup for drinking.



Claims

1. A portable pull-out cup, characterized in that the cup structure in this utility model comprises a base (3) and a pull-out cup body structure (2) that is attached to the base (3) at the top of the base (3).

2. A portable pull-out cup according to Claim 1, characterized in that a small cup body is assembled inside the pull-out cup body structure (2).

3. A portable pull-out cup according to Claim 1, characterized in that there is no rubber sealing ring (4) between the base (3) and the cup body structure (2).

4. A portable pull-out cup according to Claim 2, characterized in that there is no rubber sealing ring (4) between the small cup body and the cup body structure (2)

5. A portable pull-out cup according to Claim 1 or 2, characterized in that the cover (1) and the uppermost cup body structure (2) are connected together through screw threads, and a pulling device (5) is attached to the top of the cover (1).

6. A portable pull-out cup according to Claim 3, characterized in that the cover (1) and the uppermost cup body structure (2) are connected together through screw threads, and a pulling device (5) is attached to the top of the cover (1).

7. A portable pull-out cup according to Claim 4, characterized in that the cover (1) and the uppermost cup body structure (2) are connected together through screw threads, and a pulling device (5) is attached to the top of the cover (1).

Description

A PORTABLE PULL-OUT CUP

This utility model relates to a portable pull-out cup that can be collapsed into a portable structure and opened up for use as a drinking cup.

People need to carry along a drinking cup whether they are on vacation or traveling for business. Due to the large size of the cups, carrying and storage are not convenient.

The objective of this utility model is to provide a portable cup that is convenient to carry and to store when traveling outdoors.

The objective of this utility model is implemented in the following manner. The cup structure comprises a base and a pull-out cup body structure that are assembled together on top of the base.

A smaller pull-out cup is assembled on top of the pull-out cup body structure in this utility model.

In this utility model, there is no rubber sealing ring between the base and the pull-out cup body structure, and there is no rubber sealing ring between the pull-out body structure that is assembled together and the smaller pull-out cup.

This utility model comprises a base and a pull-out cup body structure that are assembled together, and the multiple pull-out cup body structures and the base are collapsed together, thereby reducing the size of the cup to half, one-third or one-quarter of the original size, making it more convenient for carrying and storage. When the cup structure is pulled open, it can be used as a cup for drinking.

Fig. 1 refers to the schematic diagram for the structure of this utility model.

Fig. 2 refers to the top plan view of this utility model.

Fig. 3 refers to the cross-sectional diagram of this utility model when it is in a collapsed state.

Fig. 4 refers to the cross-sectional diagram of this utility model when it is used as a vacuum cup for keeping drinks warm.

The working example for this utility model is described in greater detail below together with the help of the attached diagrams.

It can be seen from Figs. 1 and 2 that the cup structure in this utility model comprises a base (3) and a pull-out cup body structure (2), wherein the pull-out cup body structure (2) comprises a single pull-out cup body structure or multiple pull-out cup body structures (2) that are assembled together. In Fig. 1, 3 pull-out cup body structures (2) are assembled together, and a small cup body is assembled inside the bigger pull-out cup body structure (2). There is no rubber sealing ring (4) between the smaller and the bigger cup body structure (2), and there is no rubber sealing ring (4) between the base (3) and the cup body structure (2). It can be seen from Fig. 3 that when this utility model is collapsed, the size of the cup is reduced to one-quarter of its original size. It can be seen from Fig. 4 that this utility model can be used as a double-wall vacuum cup for keeping drinks warm. The cup structure in this utility model can be made from metal or non-metal materials.

In this utility model, the cover (1) and the uppermost cup body structure (2) are connected together through screw threads, and a pulling device (5) is attached to the top of the cover (1) in order make it easier to pull the cup open.

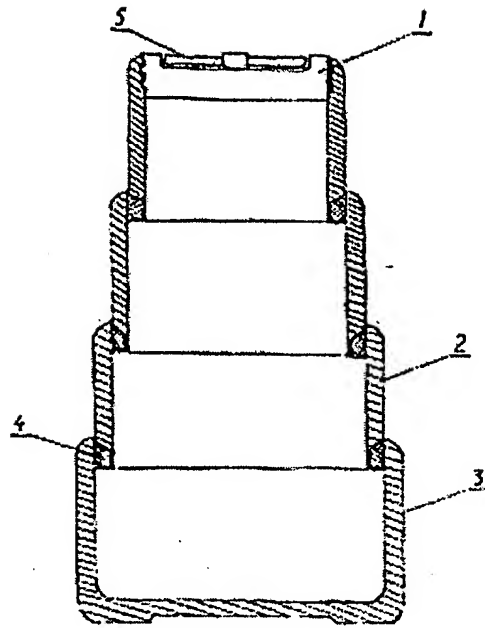


Figure 1

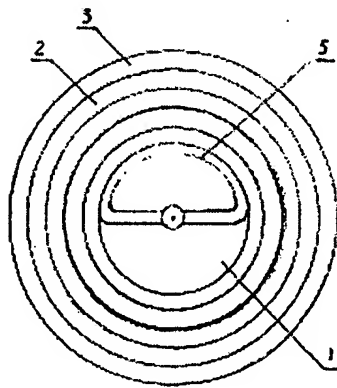


Figure 2

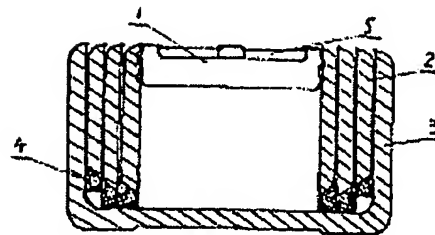


Figure 3

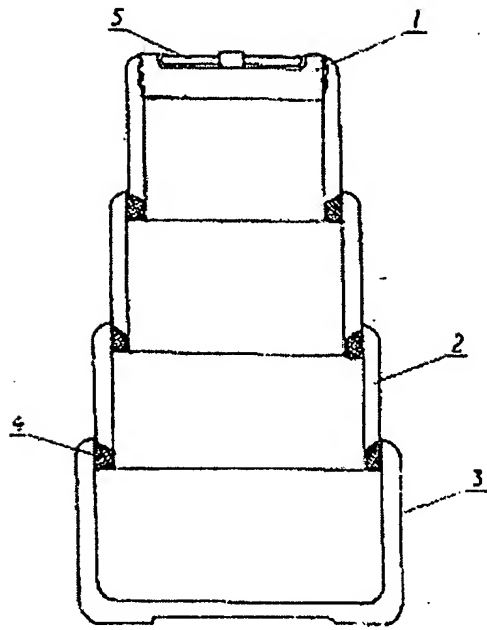


Figure 4